

Grantee: Tennessee

Grant: B-13-DS-47-0002

July 1, 2019 thru September 30, 2019 Performance

Grant Number: B-13-DS-47-0002	Obligation Date:	Award Date:
Grantee Name: Tennessee	Contract End Date:	Review by HUD: Reviewed and Approved
Grant Award Amount: \$44,502,374.00	Grant Status: Active	QPR Contact: No QPR Contact Found
LOCCS Authorized Amount: \$44,502,374.00	Estimated PI/RL Funds:	
Total Budget: \$44,502,374.00		

Disasters:

Declaration Number

No Disasters Found

Narratives

Executive Summary:

The third largest river in the world, the fabled Father of Waters, the mighty Mississippi River, fuels industry, recreation and tourism, creates a livelihood for thousands who live along or near its banks and has inspired countless writers and musicians. But it also wreaks havoc on those same lives and communities through flooding. It is West Tennessee's biggest asset and biggest challenge. The 2011 floods and severe storms in rural West Tennessee were no exception. Much of this flooding was in rural areas and had a significant impact on low-to moderate-income citizens. In response to the impacts caused by the historic floods, the State of Tennessee has developed a comprehensive approach, titled Rural by Nature, to address needs of rural Tennessee. The Rural by Nature application combines federal, state and local partners in a collaborative effort to create resilient rural communities in these often ignored areas. These projects not only proactively minimize loss from future flooding and related natural occurrences but will create communities that can successfully manage and recover from shocks and stressors while building their economy and their assets. Great attention is being given to developing plans that are replicable and can be used in other rural areas along all of our major rivers across the country, particularly as climate change increases the frequency and disruptive force of disasters. While they generally receive less attention in disaster planning, rural areas are the heartbeat of America. Rural areas represent 90% of America's land mass and are the heart of our food production. Rural communities formed the foundation upon which our country was built. They also contain some of our most vulnerable citizens and have high levels of poverty and unemployment. Rural children, in particular, have been disproportionately affected by the recent economic downturn. This is particularly significant since child poverty often has an impact that lasts throughout a lifetime. The target areas for Rural by Nature are no exception – they are extremely distressed and have economies that are built on agriculture and food production. Funding for the projects chosen for Rural by Nature will enable the state to proactively reduce flood losses that will inevitably occur; to preserve the natural environmental and water resources that make the communities what they are; reduce the impacts of flooding; promote economic development, tourism, agriculture and recreation; and strategically deploy available resources to make the most significant impact. The result will be economically viable communities that will be able to attract and support businesses, weather natural disasters (including floods and earthquakes) and prepare for the impacts of climate change. This requires a comprehensive planning process to ensure that the progress already made is leveraged to meet unmet needs while creating strong opportunities for recreation, tourism and agriculture, currently the mainstays of these communities. To create a comprehensive, regional program, the unmet needs are addressed by projects in two basic groups: infrastructure repairs and economic revitalization. Without resilient infrastructure repairs, the communities will continue to spend a disproportionate amount on making short-term repairs that do not offer additional protection from

Executive Summary:

uture disasters. Without the economic revitalization projects, the communities will not have an opportunity to build on their assets in a way that promotes resiliency and recovery. Although none of the NDR projects are housing activities, ECD is committed to affirmatively furthering fair housing throughout the implementation of all the NDR projects and the administration of the grant. ECD and its sub-grantees will conduct the NDR activities in accordance with the State's Analysis of Im

MID-URN Areas:

Eligible activity. Funds will be used solely for the necessary expenses related to disaster relief, recovery and resiliency. All activities proposed in Phase 2 are eligible according to Community Development Block Grant (CDBG) rules and regulations, state and federal laws, the Stafford Act, etc. Proposal incorporates resiliency. All activities proposed in Phase 2 have incorporated resiliency to future flooding, climate change, earthquakes and other potential disasters. Tennessee has developed a partnership including other state, federal and local departments, non-profits and faith-based organizations for this application that will continue to work together to determine how future projects can incorporate the themes of resiliency. National objective. With respect to activities expected to be assisted with CDBG-NDR funds, the Application has



been developed to give the maximum feasible priority to activities that will benefit low- and moderate-income (LMI) families. All projects meet a national objective. Overall benefit. The aggregate use of CDBG–NDR funds will principally benefit LMI families in a manner that ensures that at least 50 percent of the grant amount is expended for activities that benefit such persons, unless waived by Housing and Urban Development (HUD) based on a finding of compelling need. It is expected that well over 50 percent of funds will benefit LMI populations. Tie-back. Each target area and each project proposed in Phase 2 ties back to a disaster that occurred in an approved target area in 2011. One application per applicant. This is the only application that will be submitted by the State of Tennessee. Certifications. Tennessee Department of Economic and Community Development (TNECD) will comply with the certifications included in Attachment C and signed as a part of the electronic SF424. In Phase 1, The Rural by Nature project was composed of nine target areas in West and Middle Tennessee. During the development of the Phase 2 application, TNECD held multiple stakeholder meetings and consulted with professional engineers, educators, and other partners to determine the most affected areas and where the National Disaster Resilience Competition (NDRC) dollars could make the greatest impact. During these meetings it was determined that the focus for Phase 2 would be the 6 target areas in West Tennessee. Five of the target areas border the Mississippi River and the sixth has tributaries flowing to the Mississippi River; all are subject to regular flooding and experience other similar threats including the impacts of climate change and the risk of flooding and other damage from earthquakes and tornados. These are the most distressed and most impacted areas affected by the disasters that occurred in Tennessee in 2011 and early 2012. Below are the overviews of the target areas. Target Area 1 – Dyer County Eligible county: The eligible county is Dyer County. Most impacted and distressed target area: The target area census tracts are 9643, 9644, 9646 and 9648. MID URN Information: Impact – Infrastructure. The flooding in the City of Dyersburg caused damage to the sewer system in excess of \$4 million. Distress – Disaster impacted low- and moderate-income (LMI) households. The census tracts that make up the target area contain 51.25% LMI households. Disaster impacted an economically fragile area. Thrats in the target area is 9.45%, which is 152.4

MID-URN Areas:

% of the national unemployment rate (Most Distressed Characteristics). Unmet recovery need – Infrastructure. At least \$4M in unmet infrastructure need that cannot be funded through other sources is documented in the target area. Narrative: The Forked Deer River runs through downtown Dyersburg to the Mississippi River and the wastewater treatment plant is located in this area. Dyersburg has revitalized their downtown over the last few years. By becoming a Main Street community, working with gra

Key Agencies, Partners, Positions, Personnel:

Existing Management Structure

The Rural by Nature project will be led by TNECD, and Kent Archer, CDBG Director, will serve as the overall Program Manager. Joe Slaughter, Resilience Coordinator, will be the day-to-day contact for the projects. Brooxie and Kent currently manage all of the CDBG and CDBG-DR funds for the department; their staff will assist with the technical aspects of the projects. The Office of Community Programs is a part of the Rural Development division of TNECD. Other staff including regional staff working in the communities and other Rural Development staff will assist with the management of these projects.

While TNECD will manage the funding for the Rural by Nature project, the State has contracted with Stantec to assist in the overall Program Management and technical oversight tasks.

Stantec will provide management support to ensure resiliency and quality are adhered to within each activity. The Stantec Program Manager will be Steve Field, PE.

Each discipline has an assigned Subject Matter Expert (SME) who is licensed Professional Engineer (PE) and will oversee the activities that fall under their area of expertise. George Athanasakes will serve as the SME for Floodways and Trails. Paul Thomas will serve as SME for Wastewater. Amy Tolley will serve as SME for Social/Housing. Additionally, Marc Pearson, a Certified Floodplain Manager (CFM) will serve as SME for the Multi Hazard Mapping and Education. Susan Marlow will serve as Account Manager and ECD liaison to sub grantees. Cherie Akers will serve as SME for Planning.

Stantec will assist TNECD by utilizing an established Program Management framework to create cost containment and promote quality control throughout the entire Program. Stantec will employ the same framework for each of the Program activities presented in this application.

Project #1: Jackson Wastewater System Improvements - Jackson Energy Authority

Eddie O'Neill - JEA

JR Wauford & Company, Consulting Engineers, Inc. - Engineering Design

Community Development Partners, LLC. - Grant Administration

Project #2: Dyersburg Wastewater System Rehabilitation - City of Dyersburg

John Holder - Mayor, City of Dyersburg

Scott Ball - Construction Manager

Tiffany Heard - City Engineer

Community Development Partners, LLC - Grant Administration

Project #3: Henning Wastewater System Rehabilitation – Town of Henning

Marva Temple - Mayor, Town of Henning

A2H, Inc. - Engineering Design

Community Development Partners, LLC - Grant Administration

Project #4: Mississippi River Levee Pump Installation – West TN River Basin Authority

David Salyers - Executive Director

David Blackwood - Chief Engineer

Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)

Project #5: Dyersburg Wetland Creation and Recreation Facilities - City of Dyersburg

John Holder - Mayor, City of Dyersburg

Scott Ball - Construction Manager

Tiffany Heard - City Engineer

Community Development Partners, LLC - Grant Administration

Project #6: Forked Deer River Floodplain and Waterway Restoration - West TN River Basin Authority

David Salyers - Executive Director

David Blackwood - Ch

Key Agencies, Partners, Positions, Personnel:

ief Engineer

Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)

Project #7: Jackson Flood Control - West TN River Basin Authority

David Salyers - Executive Director

David Blackwood - Chief Engineer

Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)



Project #8: Cold Creek Chute Restoration
 David Salyers - Executive Director
 David Blackwood - Chief Engineer
 Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)

Project #9: Mississippi River Corridor Overlook – Lauderdale County
 Maurice Gaines – Lauderdale County Mayor
 A2H Inc. – Engineering Design
 Community Development Partners, LLC - Grant Administration

Project #10: Hazard Mapping, Assessment, and Education - University of Memphis
 Gary Lee Patterson - Director of Education & Outreach - Center of Earthquake Research & Information
 Mark Abkowitz - Director of Vanderbilt Center for Environmental Management Studies - Vanderbilt University
 Mary MacKinnon - Grant Writer - Central U.S. Earthquake Consortium
 Kendra Abkowitz - Senior Policy Analyst - Office of Policy and Planning, TDEC

Overall	This Report Period	To Date
Total Projected Budget from All Sources	N/A	\$58,070,174.00
Total Budget	\$0.00	\$44,502,374.00
Total Obligated	\$2,553,188.33	\$13,869,180.68
Total Funds Drawdown	\$2,649,795.83	\$13,869,180.68
Program Funds Drawdown	\$2,649,795.83	\$13,869,180.68
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$1,199,978.62	\$8,419,697.66
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Progress Toward Required Numeric Targets

Requirement	Target	Actual
Overall Benefit Percentage (Projected)		100.00%
Overall Benefit Percentage (Actual)		100.00%
Minimum Non-Federal Match	\$0.00	\$0.00
Limit on Public Services	\$6,675,356.10	\$0.00
Limit on Admin/Planning	\$8,900,474.80	\$2,088,139.26
Limit on Admin	\$0.00	\$661,421.44
Most Impacted and Distressed Threshold (Projected)	\$0.00	\$0.00

Overall Progress Narrative:

Tennessee's CDBG-NDR Projects continue to demonstrate progress, as detailed in this quarterly report. Approximately 30% of the grant has been drawdown. 1 project is in the process of closing, and all but 4 projects are in construction. ECD has continued to manage the projects and keep things moving forward. The new point person for this grant came on board in April and been to each CDBG-NDR project site and met with all key stakeholders.

ECD continues to work with HUD on revising the metrics for these projects, and we expect the reporting to better reflect the revised metrics in the next quarterly report.

Project Summary

Project #, Project Title	This Report	To Date	
	Program Funds Drawdown	Project Funds Budgeted	Program Funds Drawdown



LTC Project Tennessee, Long Term Commitments	\$0.00	\$0.00	\$0.00
NDR 01 JEA, Jackson Wastewater System Improvements	\$1,150,787.53	\$13,400,000.00	\$4,020,737.85
NDR 02 Dyersburg, Dyersburg Wastewater System	\$18,637.37	\$3,042,500.00	\$2,664,860.88
NDR 03 Henning, Henning Wastewater System	\$13,109.72	\$1,809,000.00	\$1,146,805.12
NDR 04 WTRBA, Mississippi River Levee Pump Installation	\$423,300.00	\$2,945,000.00	\$429,128.50
NDR 05 Dyersburg, Dyersburg Wetlands Creation and	\$286,167.95	\$4,619,100.00	\$2,386,991.57
NDR 06 WTRBA, Forked Deer River Floodplain and	\$17,444.00	\$5,660,000.00	\$280,831.00
NDR 07 WTRBA, Jackson Flood Control	\$504,250.00	\$5,860,000.00	\$505,128.50
NDR 08 WTRBA, Cold Creek Chute Restoration	\$3,515.50	\$185,000.00	\$29,682.00
NDR 09 Lauderdale County, Mississippi River Corridor	\$0.00	\$1,244,500.00	\$316,876.00
NDR 10 University of Memphis, Hazard Mapping,	\$181,099.51	\$3,576,731.00	\$1,426,717.82
NDR Administration, Administration	\$51,484.25	\$2,160,543.00	\$661,421.44
OV Project Tennessee, NDR Outcome Values	\$0.00	\$0.00	\$0.00
SL Project Tennessee, Supporting Leverage	\$0.00	\$0.00	\$0.00



Activities

Project # / LTC Project Tennessee / Long Term Commitments

Grantee Activity Number:	LTC 01 Tennessee
Activity Title:	Long Range Transportation Plan

Activity Category:
NDR - Long Term Commitment

Activity Status:
Under Way

Project Number:
LTC Project Tennessee

Project Title:
Long Term Commitments

Projected Start Date:
12/27/2016

Projected End Date:
01/31/2017

Benefit Type:
()

Completed Activity Actual End Date:

National Objective:
NA

Responsible Organization:
State of Tennessee

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Adopt the 25 year Long Range Transportation Plan to guide the planning and development of Tennessee's transportation system. As part of the plan development, TDOT worked as part of a FHWA pilot program to assess the vulnerability of Tennessee's transportation system to climate change and extreme weather events; Vanderbilt University partnered with TDOT to complete the study. TDOT will be using the findings of this program to address resiliency in extreme weather events and natural disasters into its LRTP and future projects. The metric associated with this plan is adoption of the plan that considers the "Safety, Security and Transportation Resilience Policy Paper." The plan was adopted in February 2016.

Location Description:

The adoption of the 25 year Long Range Transportation Plan will affect the entire State of Tennessee along with all NDR target areas.

Activity Progress Narrative:



Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Project # / NDR 01 JEA / Jackson Wastewater System Improvements

Grantee Activity Number: NDR 01 JEA

Activity Title: Jackson Wastewater System Improvements

Activity Category:

Construction/reconstruction of water/sewer lines or systems

Project Number:

NDR 01 JEA

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Jackson Wastewater System Improvements

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Jackson Energy Authority

Overall

Total Projected Budget from All Sources

Jul 1 thru Sep 30, 2019

To Date

N/A

\$13,400,000.00

Total Budget

\$0.00

\$13,400,000.00

Total Obligated

\$1,150,787.53

\$4,020,737.85

Total Funds Drawdown

\$1,150,787.53

\$4,020,737.85

Program Funds Drawdown

\$1,150,787.53

\$4,020,737.85

Program Income Drawdown

\$0.00

\$0.00



Construction/reconstruction of water/sewer lines or systems

Under Way

Project Number:

NDR 02 Dyersburg

Project Title:

Dyersburg Wastewater System Rehabilitation

Projected Start Date:

12/27/2016

Projected End Date:

09/30/2022

Benefit Type:

Area ()

Completed Activity Actual End Date:

National Objective:

Low/Mod

Responsible Organization:

City of Dyersburg

Overall

Total Projected Budget from All Sources

Jul 1 thru Sep 30, 2019

N/A

To Date

\$3,042,500.00

Total Budget

\$0.00

\$3,042,500.00

Total Obligated

\$17,335.37

\$2,664,860.88

Total Funds Drawdown

\$18,637.37

\$2,664,860.88

Program Funds Drawdown

\$18,637.37

\$2,664,860.88

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$18,637.37

\$1,341,835.58

City of Dyersburg

\$18,637.37

\$1,341,835.58

Most Impacted and Distressed Expended

\$0.00

\$0.00

Match Contributed

\$0.00

\$0.00

Activity Description:

The Dyersburg Wastewater System Rehabilitation project strives to repair the gravity sewer lines and manholes in the area impacted by the 2011 flood event. The system will be made resistant to flooding by retrofitting the existing manholes with water tight lids and slip lining damaged pipe to prevent I/I. This area of the City, known as "South Town", is critical to the infrastructure in Dyersburg, because 90% of all sewer in Dyersburg must pass through this basin before being discharged into the WWTP. The flooding event caused an increase in I/I and SSOs due to damage and siltation of the line.

Location Description:

Dyer County, Census Tracts 9643, 9644, 9646, and 9648

Activity Progress Narrative:

Phase I, Sewer System Assessment (SSES) (Investigation) - Complete.
Phase II, Collection system rehab - Four contracts awarded and completed.
The final budget revision and pay request were submitted to and approved by ECD. Closeout of the activity is in process.



Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

Match Sources

	Amount
City of Dyersburg	\$1,000,000.00
Subtotal Match Sources	

Other Funding Sources

	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Project # / NDR 03 Henning / Henning Wastewater System

Grantee Activity Number:	NDR 03 Henning
Activity Title:	Henning Wastewater System Rehabilitation

Activity Category:

Construction/reconstruction of water/sewer lines or systems

Project Number:

NDR 03 Henning

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Henning Wastewater System Rehabilitation

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Town of Henning

Overall

	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,809,000.00
Total Budget	\$0.00	\$1,809,000.00
Total Obligated	\$13,109.72	\$1,146,805.12
Total Funds Drawdown	\$13,109.72	\$1,146,805.12
Program Funds Drawdown	\$13,109.72	\$1,146,805.12
Program Income Drawdown	\$0.00	\$0.00



Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$13,109.72	\$713,350.50
Town of Henning	\$13,109.72	\$713,350.50
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The sewer collection system in the Town of Henning continues to experience significant infiltration issues with the problem becoming more severe since the 2010 and 2011 flood events. The infiltration of stormwater into the wastewater collection system contributes to frequent overtopping of the municipal wastewater lagoon levee system. These events weakened the integrity of the levee structure and contributed to new emergency repair attempts. This project involves lining one of Henning's older lagoons with an HDPE liner, upgrading the outfall system, utilizing Cured-In-Place pipe repairs to rehabilitate the existing sewer lines in order to permanently fix the levee and reduce I/I, and replacing failing manhole covers with water-tight covers to reduce I/I.

Location Description:

The project will benefit the entire Town of Henning.

Activity Progress Narrative:

Phase I, Sewer System Assessment (SSES) / Sewer System Evaluation - Collection line and manhole repairs are complete. Project Coordinator and Project Administrator met with Henning Mayor and utility staff.
Phase II contracts:
Contract 1, Sewer Pipe Repairs - The retainage will be released for this contract.
Contract 2, Lift Station Repairs - Contractor is completing change order work. A second change order may be required for final adjustments.
Contract 3, Lagoon Repairs- Plans and specifications were submitted and were approved on September 24, 2019.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Project # / NDR 04 WTRBA / Mississippi River Levee Pump Installation

Grantee Activity Number: NDR 04 WTRBA
Activity Title: Mississippi River Levee Pump Installation

Activity Category: Construction/reconstruction of water/sewer lines or systems	Activity Status: Under Way
Project Number: NDR 04 WTRBA	Project Title: Mississippi River Levee Pump Installation

Projected Start Date:

12/27/2016

Projected End Date:

09/30/2022

Benefit Type:

Area ()

Completed Activity Actual End Date:**National Objective:**

Low/Mod

Responsible Organization:

West Tennessee River Basin Authority

Overall**Total Projected Budget from All Sources****Jul 1 thru Sep 30, 2019**

N/A

To Date

\$2,945,000.00

Total Budget

\$0.00

\$2,945,000.00

Total Obligated

\$423,300.00

\$429,128.50

Total Funds Drawdown

\$423,300.00

\$429,128.50

Program Funds Drawdown

\$423,300.00

\$429,128.50

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$0.00

\$7,952.00

West Tennessee River Basin Authority

\$0.00

\$7,952.00

Most Impacted and Distressed Expended

\$0.00

\$0.00

Match Contributed

\$0.00

\$0.00

Activity Description:

Tiptonville is protected from flooding by the Mississippi River Levee, however during times of heavy rains the town still floods. Portable pumps are brought in regularly from outside sources to pump the flood waters. Installing permanent pumps will prevent flooding in the area. This would make the entire area more resilient and less prone to flooding, and would directly protect 21 homes and downtown Tiptonville.

Location Description:

The pump will be installed on the levee to the north of Tiptonville near the intersection of Tipton Street and Hays Street.

Activity Progress Narrative:

In July, an extension request for August 2019 was approved for the plans and specifications while land easements were being secured. Land easement acquisitions were completed in July. One land easement was acquired as a Nominal Payment Parcel in the amount of \$2,500.

Construction plans and project manual/specifications were initially submitted to Stantec for review on September 12. Revisions were made and resubmitted on September 27.

The Fair Housing Law was published in the Lake County Banner.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Project # / NDR 05 Dyersburg / Dyersburg Wetlands Creation and

Grantee Activity Number:	NDR 05 Dyersburg
Activity Title:	Dyersburg Wetlands Creation and Recreation Facilit

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

NDR 05 Dyersburg

Projected Start Date:

12/27/2016

Benefit Type:

()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Dyersburg Wetlands Creation and Recreation

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

City of Dyersburg

Overall

Total Projected Budget from All Sources

Total Budget

Total Obligated

Total Funds Drawdown

Program Funds Drawdown

Program Income Drawdown

Program Income Received

Total Funds Expended

Jul 1 thru Sep 30, 2019

N/A

\$0.00

\$199,096.20

\$286,167.95

\$286,167.95

\$0.00

\$0.00

\$0.00

To Date

\$4,619,100.00

\$4,619,100.00

\$2,386,991.57

\$2,386,991.57

\$2,386,991.57

\$0.00

\$0.00

\$490,964.60



City of Dyersburg	\$0.00	\$490,964.60
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The City of Dyersburg intends to implement a comprehensive plan to improve the quality of life for its citizens, targeting the LMI population in the area of South Town affected by the flood waters in 2011. Blighted and environmentally sensitive properties affected by the 2011 flood will be converted into wetlands, greenways, and stormwater management recreational facilities. This conversion will mitigate the impact of future flood events, improve the health and wellness of citizens, provide miles of greenways for regional ecotourism, and provide safe access for non-vehicular traffic to food, medical, municipal, and philanthropic services available in downtown Dyersburg. As part of this activity the City will convert land currently in floodplain to wetlands, develop recreational facilities, including basketball courts and a soccer complex that will also serve as land for floodwater retention, and the construction a police outpost to serve the neighborhood and the recreational facilities.

Location Description:

Dyer County Census Tracts 9643, 9644, 9646, 9648

Activity Progress Narrative:

There are seven phases for this project.
 Reagan Levee - Construction was completed on this phase on July 1, 2019. Submitted final adjusting change order to ECD on 7/22/19. Submitted request for final payment on 8/14/19. A force account for demolition of the properties by the City was submitted on August 26.
 Forked Deer River Park - Project construction continues. Contractor installed silt fencing, removal of concrete, determining grades and laying out project. Remaining concrete around the Farmers Market was removed. The existing main parking area was removed. Parking lot was graded. Retaining wall around Farmers Market was constructed. Removal of asphalt and grading for sidewalk system at entrance.
 Horner Road Bridge - In April 2019, due to the high cost of completing the Horner Road Bridge rehabilitation, the City of Dyersburg contacted the Tennessee Department of Transportation requesting improvements of South Main Street, including a bike lane and pedestrian sidewalk that will connect to the proposed recreation area. If both parties come to an agreement, this phase will be deleted from the project. A response from TDOT is still pending.
 Precinct Park - On 7/29/19 the plans and specifications for Precinct Park were submitted to Stantec for review. On 8/14/19 the plans and specifications for Precinct Park were submitted to ECD for final review and approved by ECD. The Project was bid and bid tabulation documents were submitted to Stantec on 9/27/2019 for review and approved by ECD on 10/08/2019. A pre-construction conference was held on 10/21/2019 and construction is scheduled to begin on 11/04/2019.
 South Precinct Park (Police Station) - Design not started; Land acquisitions underway.
 Soccer Complex - Design has not yet started.
 Reconstructed Wetlands - Design has not yet started.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of public facilities	0	0/2
# of Acres wetlands	0	0/12

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

Match Sources	Amount
Subtotal Match Sources	



Subtotal Match Sources

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Project # / NDR 06 WTRBA / Forked Deer River Floodplain and

Grantee Activity Number:	NDR 06 WTRBA
Activity Title:	Forked Deer River Floodplain and Waterway Restorat

Activitiy Category:

Acquisition, construction, reconstruction of public facilities

Activity Status:

Under Way

Project Number:

NDR 06 WTRBA

Project Title:

Forked Deer River Floodplain and Waterway

Projected Start Date:

12/27/2016

Projected End Date:

09/30/2022

Benefit Type:

Area ()

Completed Activity Actual End Date:

National Objective:

Low/Mod

Responsible Organization:

West Tennessee River Basin Authority

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$5,660,000.00
Total Budget	\$0.00	\$5,660,000.00
Total Obligated	\$17,444.00	\$280,831.00
Total Funds Drawdown	\$17,444.00	\$280,831.00
Program Funds Drawdown	\$17,444.00	\$280,831.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$17,444.00	\$18,081.00
West Tennessee River Basin Authority	\$17,444.00	\$18,081.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This project will create more than 800 acres of floodplain to reduce flooding for the Dyer County target area. Additionally, this project will be developed to incorporate bike and hiking trails, boardwalks, waterfowl and wildlife viewing areas, educational kiosks, easy access fishing piers, canoe access and restroom facilities.



Location Description:

The project location is in the northwest corner of Madison County, but the project beneficiaries are located in the Dyer County target area.

Activity Progress Narrative:

Plans and specifications were revised and submitted to STREAM for review on 6/12/19 and to ECD/Stantec on 7/10/19. The plans and specifications were approved and the project was bid on 7/24/19. Bid tabs and recommendation letter were submitted on 8/27/19 to STREAM and 9/13/19 to ECD/Stantec. A pre-construction conference was held on 10/18/2019.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

Match Sources

West Tennessee River Basin Authority

Amount

\$7,500,000.00

Subtotal Match Sources

Other Funding Sources

No Other Funding Sources Found

Amount

Total Other Funding Sources

Project # / NDR 07 WTRBA / Jackson Flood Control

Grantee Activity Number: NDR 07 WTRBA

Activity Title: Jackson Flood Control

Activity Category:

Dike/dam/stream-river bank repairs

Activity Status:

Under Way

Project Number:

NDR 07 WTRBA

Project Title:

Jackson Flood Control

Projected Start Date:

12/27/2016

Projected End Date:

09/30/2022

Benefit Type:

Area ()

Completed Activity Actual End Date:

National Objective:

Low/Mod

Responsible Organization:

West Tennessee River Basin Authority

Overall

Total Projected Budget from All Sources

Jul 1 thru Sep 30, 2019

N/A

To Date

\$5,860,000.00



Total Budget	\$0.00	\$5,860,000.00
Total Obligated	\$504,250.00	\$505,128.50
Total Funds Drawdown	\$504,250.00	\$505,128.50
Program Funds Drawdown	\$504,250.00	\$505,128.50
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$878.50
West Tennessee River Basin Authority	\$0.00	\$878.50
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Flooding is prevalent in urban parts of Jackson. Large unsightly drainage areas will be converted to storm water detention and infiltration basins that mimic the function of large attractive “rain gardens” and virtually eliminate localized flooding along these streams. The structures will incorporate several features such as eradication of an invasive species, ground water infiltration, wetland creation, establishment of hardwood forests, water quality improvements, wildlife viewing opportunities, and community gardens as well as trails and greenways that connect residential and business districts. Flood risk reduction, protection of infrastructure and an improvement in quality of life for vulnerable populations are the key benefits of this project.

Location Description:

Southern+half+of+Madison+County.+Includes+the+following+Census+Tracts.

1,+2,+3,+4,+5,+6,+7,+8,+9,+10,+11,+13,+14.01,+14.02,+17,+18+,19

Activity Progress Narrative:

Jackson/Bemis Greenway - ERR was approved in June 2019.
 Anderson-Sandy Basin Flood Control Structures - ERR approved July 11, 2019 and FNORCC and LOREC issued.
 Dyer-Middle Fork Basin Flood Control Structures - ERR was approved July 29, 2019 and FNORCC and LOREC issued.
 All properties within the Anderson Sandy Detention Structures project area and the Dyer Creek Detention Structures project area have been identified.
 A meeting with the property owners was held on 10/14/2019.
 The Fair Housing Law was published in the Jackson Sun.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

Match Sources	Amount
Subtotal Match Sources	



Subtotal Match Sources

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Project # / NDR 08 WTRBA / Cold Creek Chute Restoration

Grantee Activity Number: NDR 08 WTRBA
Activity Title: Cold Creek Chute Restoration

<p>Activity Category: Dike/dam/stream-river bank repairs</p> <p>Project Number: NDR 08 WTRBA</p> <p>Projected Start Date: 12/27/2016</p> <p>Benefit Type: Area ()</p> <p>National Objective: Low/Mod</p>	<p>Activity Status: Under Way</p> <p>Project Title: Cold Creek Chute Restoration</p> <p>Projected End Date: 09/30/2022</p> <p>Completed Activity Actual End Date:</p> <p>Responsible Organization: West Tennessee River Basin Authority</p>
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Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$185,000.00
Total Budget	\$0.00	\$185,000.00
Total Obligated	\$3,515.50	\$29,682.00
Total Funds Drawdown	\$3,515.50	\$29,682.00
Program Funds Drawdown	\$3,515.50	\$29,682.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$1,916.50
West Tennessee River Basin Authority	\$0.00	\$1,916.50
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Cold Creek Chute is a Mississippi River Oxbow Lake that is a key component of the rural economy in western Lauderdale County. This lake is used for recreation, including fishing and hunting. A rock spillway that controls summer levels failed as a result of the 2011 flood. Temporary repairs have been made but were not successful. Water levels below normal pool elevation prevent the public from accessing the lake. The proposed project will restore use of this resource and, when combined with the recreational benefits of the other projects in this county, will increase recreation and tourism opportunity.



Location Description:

Lauderdale County Census Tracts 501, 502, 503, 505.04, 505.05, 505.06, and 506

Activity Progress Narrative:

Design is 75% complete and has been on hold due to flooding of the project area prohibiting necessary geotechnical work. This Project was split in two different phases. The first phase will consist of constructing the access road and stabilizing the outlet structure by eliminating concentrated flow over the outlet. The second phase includes a sheet pile weir to prevent seepage, and a siphon system for water management. A 100' temporary easement along the existing access road is needed for the improvements. There is no need for additional environmental permits since the project will remain within the existing embankment of the access road and outlet structure.

Publication of the Fair Housing Law in the Lauderdale County Enterprise has been completed.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Project # / NDR 09 Lauderdale County / Mississippi River Corridor

Grantee Activity Number: NDR 09 Lauderdale County

Activity Title: Mississippi River Corridor Overlook

Activity Category:

Acquisition, construction, reconstruction of public facilities

Activity Status:

Under Way

Project Number:

NDR 09 Lauderdale County

Project Title:

Mississippi River Corridor Overlook

Projected Start Date:

12/27/2016

Projected End Date:

09/30/2022

Benefit Type:

Area ()

Completed Activity Actual End Date:

National Objective:

Low/Mod

Responsible Organization:

Lauderdale County TN

Overall

Total Projected Budget from All Sources

Jul 1 thru Sep 30, 2019

N/A

To Date

\$1,244,500.00



Total Budget	\$0.00	\$1,244,500.00
Total Obligated	\$0.00	\$316,876.00
Total Funds Drawdown	\$0.00	\$316,876.00
Program Funds Drawdown	\$0.00	\$316,876.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$234,201.00
Lauderdale County TN	\$0.00	\$234,201.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

A conceptual plan was developed for Lauderdale County to help eliminate erosion along the bluff areas of the Mississippi River and provide tourism and recreation benefit to the area. This project involves the construction of one overlook and formalizing the conceptual plan already created into a master plan with a resilient engineering design.

Location Description:

Lauderdale County Census Tracts 501, 502, 503, 505.04, 505.05, 505.06, and 506

Activity Progress Narrative:

Project activities include phase I, development of a Tourism Plan, and phase II, construction of scenic overlook facilities. Phase 1, Tourism Plan - Complete and an adoption resolution was signed by Lauderdale County Government. Phase 2, Construction of Scenic Overlook - The ERR Addendum was completed and approved by ECD on August 19, 2019. Stantec completed review of the Plans and Specifications in September and they were approved by ECD on 10/11/2019.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	NDR 10 University of Memphis
Activity Title:	Hazard Mapping, Education, and Assessment

Activity Category:

Planning

Project Number:

NDR 10 University of Memphis

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

Hazard Mapping, Education, and Assessment

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

University of Memphis

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$3,576,731.00
Total Budget	\$0.00	\$3,576,731.00
Total Obligated	\$180,232.51	\$1,426,717.82
Total Funds Drawdown	\$181,099.51	\$1,426,717.82
Program Funds Drawdown	\$181,099.51	\$1,426,717.82
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$1,123,055.31
University of Memphis	\$0.00	\$1,123,055.31
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This project represents a multidisciplinary partnership between the University of Memphis, Vanderbilt University, and TDEC to develop, analyze, store and freely distribute data that can be used to plan for and create resilient strategies for some of the most vulnerable populations in the Rural by Nature study area. This data, developed through a series of studies, will help fill a large data gap in West Tennessee that is preventing many communities from becoming more resilient. The project includes the following actions to enhance resilience in the NDR target areas.

- Mississippi River Supply Chain Risk Evaluation
- Structural Earthquake Risk Assessment for Schools
- Agricultural Flood Loss Mapping
- School Curriculum Development
- Flood Impact Assessment
- Web System Development
- Earthquake Hazards Assessment

Location Description:

This will cover all NDR target area locations.



Activity Progress Narrative:

This Project has 7 Sub activities:

Sub-Activity 1: Flood Impact Assessment

Project is at 95% completion. Preparing final project report and documents for transfer to HazMAE Project Management and Web System Development sub activities.

Sub-Activity 2: HEC-RAS Flood Modeling

Tasks related to the flow prediction part of the model completed this quarter:

- Wrote a program to fit the Unit Hydrographs with two-parameter Gamma PDFs and related the parameters 'a' and 'b' to effective precipitation.

Sub-Activity 3: Seismic Hazard

1) Project is at 47% completion of the five-year period.

2) Work is continuing on finalizing the 3D geology of Dyer County with the effects of fault offsets and with an improved definition of the terraces. Also work on developing the 3D geology of Lauderdale County with the defining the Eocene and more recent layering. The geotechnical group worked on finalizing the Dyer County geotechnical models, started a draft of the geotechnical portion of our Dyer County report, and developing ground water and SPT databases for Lauderdale County.

Sub-Activity 4: Mississippi River Supply Chain Management

Project is at 12% completion and on schedule for completion in May 2021.

Approximate Bayesian Computing for simple state-space models has been successfully implemented.

Sub-Activity 5: Risk Assessment for Lake County Schools

Project is at 10% completion.

Progress was made towards stated milestones and deliverables:

Received five (5) proposals in response to the RFP.

Project team met to discuss the proposals and decided to extend the contractor notification date by one week to October 4 because of the board meeting the week of September 23. RFP responders notified via email September 19.

Sub-Activity 6: Risk Curriculum for High School Students

Project is at 36% completion.

Progress was made towards stated milestones and deliverables:

Continued participation in the SRA risk education committee to create a repository of educational materials on risk analysis that will hopefully be made available to the public in the coming year.

List of project team meetings and attendees:

Bimonthly meetings/conversations between J. Camp and R. Nakra.

Outreach to stakeholders and data contributors:

Poster presentation to VUSE faculty, staff, and students as part of the VUSE Summer Undergraduate Research Symposium on September 5, 2019.

Sub-Activity7: Interactive Hazards Database

Focusing on vulnerability data and inputs.

Project is at 27% completion.

Progress was made towards stated milestones and deliverables:

- Survey data analysis in progress;
- Collecting and reviewing data and products from other HazMAE teams;
- Identified primary spatial data layers for the tool;

Project team meetings and attendees:

a. True North Geographic coordination with J. Camp;

b. Team coordination via email/phone calls throughout September

Outreach to stakeholders and data contributors:

- Conversations with True North (J. Camp).
- Conversations with TVA to determine best way to represent vulnerability within the electricity sector.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Project # / NDR Administration / Administration

Grantee Activity Number: NDR 12 ECD Admin

Activity Title: ECD Administration

Activity Category:

Administration

Project Number:

NDR Administration

Projected Start Date:

12/27/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

Administration

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

State of Tennessee

Overall

Total Projected Budget from All Sources

Jul 1 thru Sep 30, 2019

N/A

To Date

\$385,543.00



Total Budget	\$0.00	\$385,543.00
Total Obligated	\$11,481.75	\$135,106.14
Total Funds Drawdown	\$12,238.50	\$135,106.14
Program Funds Drawdown	\$12,238.50	\$135,106.14
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$34,517.64
State of Tennessee	\$0.00	\$34,517.64
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Administration for all NDR activities

Location Description:

All NDR target areas in the counties of Dyer, Lake, Lauderdale, and Madison.

Activity Progress Narrative:

ECD has continued to manage the projects and keep things moving. The new point person for this grant is Tracey Davis and she came on board in April. She has been to each CDBG-NDR project site and met with all key stakeholders. On 9/5/2019 she gave a presentation at the Tennessee Emergency Management Agency Middle Region's Directors meeting. This presentation provided an overview of HUD CDBG projects and detailed information on Tennessee's CDBG-NDR projects to foster collaboration with local Emergency Management Directors, their economic development districts, and housing partners. Ms. Davis also provided support to the Tennessee Housing Development Agency (THDA) as they have been holding public meetings across the state as part of their Impediments to Fair Housing assessment. ECD continues to work with HUD to revise the metrics for these projects.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



Grantee Activity Number: NDR 13 Stantec Admin

Activity Title: Stantec Administration

Activity Category:

Administration

Project Number:

NDR Administration

Projected Start Date:

12/27/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

Administration

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Stantec Consulting Services Inc.

Overall

Total Projected Budget from All Sources

Jul 1 thru Sep 30, 2019

N/A

To Date

\$1,775,000.00

Total Budget

\$0.00

\$1,775,000.00

Total Obligated

\$32,635.75

\$526,315.30

Total Funds Drawdown

\$39,245.75

\$526,315.30

Program Funds Drawdown

\$39,245.75

\$526,315.30

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$0.00

\$491,802.00

Stantec Consulting Services Inc.

\$0.00

\$491,802.00

Most Impacted and Distressed Expended

\$0.00

\$0.00

Match Contributed

\$0.00

\$0.00

Activity Description:

Administration of NDR activities

Location Description:

All NDR target areas

Activity Progress Narrative:

Stantec continues to provide grant administration and technical support and expertise for these activities. This provider facilitates bi-monthly conference calls to provide situational updates and address issues that may affect CDBG-NDR project timelines.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Project # / OV Project Tennessee / NDR Outcome Values

Grantee Activity Number: OV 01 JEA (ECO)
Activity Title: Jackson Wastewater System Improvements

Activity Category:

NDR - Economic Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Jackson Energy Authority

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Jackson Energy Authority	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00



Match Contributed

\$0.00

\$0.00

Activity Description:

Currently average annual energy consumption is 2.97 million, a 10% reduction is projected based upon preliminary engineer assessments. JEA will collect the data.
The average number of service dirruption hours is currently being calculated by JEA, there is expected to be a 5% decrease based upon preliminary engineer assessments. JEA will collect the data.
The average emergency maintenance costs are currently being calculated by JEA, there is expected to be a 5% decrease based upon preliminary engineer assessments. JEA will collect the data.

Location Description:

Activity Progress Narrative:

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% reduction in emergency	0	8/10
% decrease in disruption hours	0	0/5
% reduction in energy costs	0	101/10

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



Grantee Activity Number: OV 01 JEA (ENV)
Activity Title: Jackson Wastewater System Improvements

Activity Category:
 NDR - Environmental Value

Project Number:
 OV Project Tennessee

Projected Start Date:
 12/27/2016

Benefit Type:
 ()

National Objective:
 NA

Activity Status:
 Under Way

Project Title:
 NDR Outcome Values

Projected End Date:
 09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
 Jackson Energy Authority

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Jackson Energy Authority	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

There will be 8000 LF of sewer repaired/replaced based on preliminary assessments and budget projections by JEA. JEA will collect the data.
 There is an average of 1.55 SSO events in the JEA system annually, based upon engineering reports a 5% reduction is expected because of the system rehabilitation. JEA will collect the data.
 The average I and I during storm events is being calculated by JEA by different level of events, an overall decrease of 5% is expected based upon preliminary engineer reports. JEA will collect the data.
 The average flow is 3100 annually based upon JEA data, a decrease of 5% is projected based on preliminary engineer reports. JEA will collect the data.

Location Description:

Activity Progress Narrative:



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of linear feet of water/sewer	0	18754/2500
% reduction in flow (# gpm/cfm)	0	0/5
% reduction of	0	79/5
% reduction of sanitary sewer	0	2500/5

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Grantee Activity Number:	OV 01 JEA (RES)
Activity Title:	Jackson Wastewater System Improvements

Activity Category:

NDR - Resilience Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Jackson Energy Authority

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Jackson Energy Authority	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

There will be 7500 water/sewer line constructed based upon preliminary engineer reports and budget projections. JEA will collect the data.
 Current levels of service loss are being calculated by JEA, based upon engineer reports a 10% decrease is projected because of system rehab. JEA will collect the data.

Location Description:

Activity Progress Narrative:

Accomplishments Performance Measures

This Report Period
Total

Cumulative Actual Total / Expected
Total



# of linear of sewer/water line	0	0/6800
% reduction in loss of service	0	0/8

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



Grantee Activity Number: OV 02 Dyersburg (ECO)
Activity Title: Dyersburg Wastewater System Rehabilitation

Activity Category:

NDR - Economic Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

City of Dyersburg

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Location Description:

There is currently an average of \$26,685.71 in annual emergency maintenance costs to in the Dyersburg waste water system, the projected % decrease is pending a system inventor (part of the project). The data was collected from the city of Dyersburg's records; the city will continue to collect data.

Activity Progress Narrative:

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% reduction in emergency	0	0/2500



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	OV 02 Dyersburg (ENV)
Activity Title:	Dyersburg Wastewater System Rehabilitation

Activity Category:
NDR - Environmental Value

Project Number:
OV Project Tennessee

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

National Objective:
NA

Activity Status:
Under Way

Project Title:
NDR Outcome Values

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
City of Dyersburg

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

There are currently 0 new manhole covers, there will be 50 upon completion of the project. This data was collected from budget projections from the city of Dyersburg, who will continue to collect data. The city of Dyersburg projects that there will be 2 SSO events during the life of the project. This data was collected by the city engineers of Dyersburg, who will continue to gather the data. The current average annual flow is 1160, the projected decrease during a flood event will be calculated after a system inventory. This data was collected by the city of Dyersburg, who will continue collection.

Location Description:

Activity Progress Narrative:



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of manhole covers replaced	0	135/50
# of sanitary sewer overflows	0	32/2
% reduction in flow (# gpm/cfm)	0	100/20

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	OV 02 Dyersburg (RES)
Activity Title:	Dyersburg Wastewater System Rehabilitation

Activity Category:

NDR - Resilience Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

City of Dyersburg

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

There is currently 0 LF of sewer line examined, there will be 43,000 LF inventoried at the completion of the project as a result of a camera verification. This data was collected by the city of Dyersburg and they will continue collection. There is not currently any sewer system plans in place, there will be 1 at the completion of the project. This data was collected by the city of Dyersburg and they will continue collection. It is projected that, as a result of the system inventory and budgeting, there will be 8,600 LF of sewer line repaired/replace at the completion of the project. This data is based on budget projections and was collected by the city of Dyersburg who will continue collection.

Location Description:

Activity Progress Narrative:



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of plans adopted	0	1/1
# of linear feet of water/sewer	0	6789/8600
# of liner feet examined	0	42576/43000

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Grantee Activity Number:	OV 03 Henning (ENV)
Activity Title:	Henning Wastewater System Rehabilitation

Activity Category:
NDR - Environmental Value

Project Number:
OV Project Tennessee

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

National Objective:
NA

Activity Status:
Under Way

Project Title:
NDR Outcome Values

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
Town of Henning

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Town of Henning	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

There will be 40 manhole covers replaced based upon budget projections. Henning will collect the data.
 There will be 10,000 LF of water/sewer line repaired/replaced based upon budget projections. Henning will collect the data.
 There are projected to be 8 SSOs during the duration of the contract. The town of Henning will collect the data.
 Current levels of I and I are being calculated by the town of Henning, a 20% decrease is expected to occur during storm events based upon preliminary engineer reports. The town of Henning will collect the data.
 Current levels of flow at the treatment plant is being calculated by the town of Henning, a 20% decrease is expected to occur during storm events based upon preliminary engineer reports. The town of Henning will collect the data.
 Current levels of affluent discharge is being calculated by the town of Henning, a 20% decrease is expected to occur based upon preliminary engineer reports. The town of Henning will collect the data.

Location Description:

Activity Progress Narrative:



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of linear feet of water/sewer	0	3794/10000
# of manhole covers replaced	0	78/40
# of sanitary sewer overflows	0	15/4
% decrease in affluent	0	195/10
% reduction in flow (# gpm/cfm)	0	0/10
% reduction of	0	0/10

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Grantee Activity Number:	OV 03 Henning (RES)
Activity Title:	Henning Wastewater System Rehabilitation

Activity Category:
NDR - Resilience Value

Project Number:
OV Project Tennessee

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

National Objective:
NA

Activity Status:
Under Way

Project Title:
NDR Outcome Values

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
Town of Henning

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Town of Henning	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Based upon preliminary engineer reports and budget projections, there will be 3 pump stations repaired/replaced. The town of Henning will collect the data.
 Based upon preliminary engineer reports and budget projections, there will be 1 containment system constructed. The town of Henning will collect the data.

Location Description:

Activity Progress Narrative:

Accomplishments Performance Measures

This Report Period	Cumulative Actual Total / Expected
Total	Total



# of containment systems	0	0/1
# of pump stations	0	0/3

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



Grantee Activity Number:	OV 04 WTRBA (ECO)
Activity Title:	Mississippi River Levee Pump Installation

Activity Category:

NDR - Economic Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

West Tennessee River Basin Authority

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The average emergency man hours during a flood event will be modeled by WTRBA at the beginning of the project. There is projected to be a 25% decrease based upon previous WTRBA projects. WTRBA will collect the data.

Location Description:

Activity Progress Narrative:

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% decrease in emergency man-	0	0/25



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	OV 04 WTRBA (ENV)
Activity Title:	Mississippi River Levee Pump Installation

Activity Category:
NDR - Environmental Value

Project Number:
OV Project Tennessee

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

National Objective:
NA

Activity Status:
Under Way

Project Title:
NDR Outcome Values

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
West Tennessee River Basin Authority

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

As there is currently no pumping capacity, the projected increase will be 100%. This is based off of budget projections and previous WTRBA projects. WTRBA will collect the data.

Location Description:

Activity Progress Narrative:

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% Increase in pumping capacity	0	0/100



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	OV 04 WTRBA (RES)
Activity Title:	Mississippi River Levee Pump Installation

Activity Category:
NDR - Resilience Value

Project Number:
OV Project Tennessee

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

National Objective:
NA

Activity Status:
Under Way

Project Title:
NDR Outcome Values

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
West Tennessee River Basin Authority

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The average crop land protected during a flood event will be determined based upon modeling to be done at the beginning of the project, there is projected to be a 10% increase, based upon previous projects completed by WTRBA. WTRBA will collect the data.

The average area inundation will be determined based upon modeling to be done at the beginning of the project, there is projected to be a 10% decrease, based upon previous projects completed by WTRBA. WTRBA will collect the data.

The average water elevation will be determined based upon modeling to be done at the beginning of the project, there is projected to be a 5% decrease, based upon previous projects completed by WTRBA. WTRBA will collect the data.

Location Description:

Activity Progress Narrative:



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% decrease in area inundated	0	0/10
% decrease water surface	0	0/5
% increase in acres of cropland	0	0/10

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Grantee Activity Number:	OV 05 Dyersburg (ECO)
Activity Title:	Dyersburg Wetland and Parks Creation

Activity Category:
NDR - Economic Value

Project Number:
OV Project Tennessee

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

National Objective:
NA

Activity Status:
Under Way

Project Title:
NDR Outcome Values

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
City of Dyersburg

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Historical there have been 27,881 LF of road closures during flood events, a 12% reduction is projected during similar events. The data was derived from engineer assessments, and will be collected by the city of Dyersburg.

Historical there have been 12 buildings damaged during flood events, a 1% reduction is projected during similar events. The data was derived from engineer assessments, and will be collected by the city of Dyersburg.

Location Description:

Activity Progress Narrative:



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% decrease in road closures in	0	4/12
% of buildings	0	11/5

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Grantee Activity Number:	OV 05 Dyersburg (ENV)
Activity Title:	Dyersburg Wetland and Parks Creation

Activity Category:
NDR - Environmental Value

Project Number:
OV Project Tennessee

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

National Objective:
NA

Activity Status:
Under Way

Project Title:
NDR Outcome Values

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
City of Dyersburg

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Location Description:

Currently there are 39 acres of green space in the project area, the increase in green space is pending acquisition and is currently unknown due to unknown costs. The data was derived from city records, and will be collected by the city of Dyersburg.

Activity Progress Narrative:

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% Increase in number of acres	0	0/39



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	OV 05 Dyersburg (RES)
Activity Title:	Dyersburg Wetland and Parks Creation

Activity Category:
NDR - Resilience Value

Project Number:
OV Project Tennessee

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

National Objective:
NA

Activity Status:
Under Way

Project Title:
NDR Outcome Values

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
West Tennessee River Basin Authority

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Historical there have been 27,881 LF of road closures during flood events, a 12% reduction is projected during similar events. The data was derived from engineer assessments, and will be collected by the city of Dyersburg.

Historical there have been 12 buildings damaged during flood events, a 1% reduction is projected during similar events. The data was derived from engineer assessments, and will be collected by the city of Dyersburg.

There are currently 0 acres of wetland in the project area, there will be 12 acres upon project completion. The data was derived from budget projections and will be collected by the city of Dyersburg.

Location Description:

Activity Progress Narrative:



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of acres of wetland	0	0/12
% decrease in road closures in	0	17/12
% of buildings	0	13/1

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Grantee Activity Number:	OV 05 Dyersburg (SOC)
Activity Title:	Dyersburg Wetland and Parks Creation

Activity Category:

NDR - Social Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

City of Dyersburg

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Location Description:

There is currently 39 acres of open space within the project area, the increase in open space is pending acquisition and is currently unknown due to unknown costs. The data was derived from city records, and will be collected by the city of Dyersburg.

There are currently 0 locally sponsored events in the project area, there will be 10 by the completion of the project. The data was derived from conversation with local officials and budget proposals; it will be gathered by the city of Dyersburg.

There are currently 0 recreation facilities in the project area, there will be 2 upon completion of the project. The data was derived from conversation with local officials and budget proposals; it will be gathered by the city of Dyersburg.

Activity Progress Narrative:



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of locally-sponsored events	0	0/5
# of new recreational facilities	0	0/2

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Grantee Activity Number:	OV 06 WTRBA (ENV)
Activity Title:	Forked Deer River Floodplain and Waterway Restorat

Activity Category:
NDR - Environmental Value

Project Number:
OV Project Tennessee

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

National Objective:
NA

Activity Status:
Under Way

Project Title:
NDR Outcome Values

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
West Tennessee River Basin Authority

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

There will be 2500 LF of stream restored based upon previous WTRBA projects and budget projections. This data will be collected by WTRBA.
The current level of nutrient loading will be calculated at the beginning of the project, based upon previous projects by WTRBA there is projected to be a 5% reduction at project completion. WTRBA will collect the data.
The functional value of the wetlands will be determined upon completion of restoration, the current value is 0 as they do not exist. WTRBA will collect this data.
WTRBA is currently calculating the water levels, based upon previous projects a 5% reduction is projected. WTRBA will collect this data.

Location Description:

Activity Progress Narrative:



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# linear feet of streams	0	0/2500
% increase in functional	0	0/10
% reduction in nutrient loading	0	0/5
% reduction of water surface	0	0/5

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Grantee Activity Number:	OV 06 WTRBA (ESOC)
Activity Title:	Forked Deer River Floodplain and Waterway Restorat

Activity Category:

NDR - Social Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

West Tennessee River Basin Authority

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

It is projected that there will be 5 school trips to the wetlands upon completion of the project based upon previous and similar projects by WTRBA. WTRBA will collect the data.
 The increase to the yet to be restored wetlands will be 100%. This is based upon previous and similar projects by WTRBA. WTRBA will collect the data.

Location Description:

Activity Progress Narrative:

Accomplishments Performance Measures

**This Report Period
Total**

**Cumulative Actual Total / Expected
Total**



# of school field trips	0	0/5
% increase in # of visitors	0	0/100

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



Grantee Activity Number:	OV 06 WTRBA (RES)
Activity Title:	Forked Deer River Floodplain and Waterway Restorat

Activity Category:

NDR - Resilience Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

West Tennessee River Basin Authority

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

There will be 800 acres of wetland restored/created during the duration of the project, this is based upon budget projections. WTRBA will collect the data.

There will be 2 acres of brownfields converted to wetlands during the duration of the project, this is based upon budget projections. WTRBA will collect the data.

The projected usage of migratory birds, in the yet to be built wetlands, will be calculated by WTRBA during the early stages of the project. WTRBA will collect the data.

Location Description:

Activity Progress Narrative:



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of acres of wetland	0	0/800
# of brownfield acres converted	0	0/2
% increase in use by migratory	0	6/25

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Grantee Activity Number:	OV 07 WTRBA (ECO)
Activity Title:	Jackson Flood Control

Activity Category:

NDR - Economic Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

West Tennessee River Basin Authority

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The current level of road closures is being calculated by the city of Jackson, based upon previous projects completed by WTRBA there is expected to be a 10% decrease in such events. WTRBA and the city of Jackson will collect the data.

Location Description:

Activity Progress Narrative:

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% decrease in road closures in	0	0/10



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number: OV 07 WTRBA (ENV)

Activity Title: Jackson Flood Control

Activity Category:

NDR - Environmental Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

West Tennessee River Basin Authority

Overall

	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Location Description:

The level of nutrient loading will be assessed at the beginning of the project, based upon similar projects completed by WTRBA, there is expected to be a 10% reduction. WTRBA will collect the data.
There will be 10 acres of native vegetation planted during the course of the projected, this is based off of budget projections. WTRBA will collect the data.

Activity Progress Narrative:

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of acres of native vegetation	0	0/10



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	OV 07 WTRBA (RES)
Activity Title:	Jackson Flood Control

Activity Category:
NDR - Resilience Value

Project Number:
OV Project Tennessee

Projected Start Date:
12/27/2016

Benefit Type:
()

National Objective:
NA

Activity Status:
Under Way

Project Title:
NDR Outcome Values

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
West Tennessee River Basin Authority

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The current level of ground water infiltration will be assessed at the beginning of the project, based upon similar projects by WTRBA, there is expected to be a 5% increase in this rate. WTRBA will collect the data.

Location Description:

Activity Progress Narrative:

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% Increase in groundwater	0	0/5



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	OV 07 WTRBA (SOC)
Activity Title:	Jackson Flood Control

Activity Category:

NDR - Social Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

West Tennessee River Basin Authority

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

There will be 1 water control structure repaired/replaced, this projection is based on budget projections and need. The data was collected by WTRBA, who will continue to collect it.
 Trail utilization, on the trail that is to be built as a part of the project, will increase over 100%. This projection is based upon previous projects WTRBA has completed. WTRBA has, and will continue, to collect the data.
 There is currently 0 LF of trail in the project area, there will be 2000 LF of trail based off of budget projections and engineer assessments. WTRBA will collect the data.

Location Description:

Activity Progress Narrative:

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total



# of linear of trails constructed	0	0/2000
# of water control structures	0	0/1
% Increase in trail utilization	0	0/100

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	OV 08 WTRBA (ENV)
Activity Title:	Cold Creek Chute Restoration

Activity Category:
NDR - Environmental Value

Project Number:
OV Project Tennessee

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

National Objective:
NA

Activity Status:
Under Way

Project Title:
NDR Outcome Values

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
West Tennessee River Basin Authority

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The current number of average fish kill events is being generated by a state agency, it is projected that, through restoration efforts, there will be a 25% reduction. This is based off of similar projects undertaken by WTRBA.

Location Description:

Activity Progress Narrative:

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% reduction of fish kill events	0	0/25



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	OV 08 WTRBA (RES)
Activity Title:	Cold Creek Chute Restoration

Activity Category:
NDR - Resilience Value

Project Number:
OV Project Tennessee

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

National Objective:
NA

Activity Status:
Under Way

Project Title:
NDR Outcome Values

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
West Tennessee River Basin Authority

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Location Description:

Activity Progress Narrative:

Design is 75% complete and has been on hold due to flooding of the project area prohibiting necessary geotechnical work. Plans and specifications deadline was extended through July 31, 2019. ECD has notified the administrator that another extension should be requested.

Project was split in two different phases. The first phase will consist of constructing the access road and stabilizing the outlet structure by eliminating concentrated flow over the outlet. The second phase includes a sheet pile weir to prevent seepage, and a siphon system for water management. A 100' temporary easement along the existing access road is needed for the improvements. There is no need for additional environmental permits since the project will remain within the existing embankment of the access road and outlet structure.

Publication of the Fair Housing Law in the Lauderdale County Enterprise.



Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	OV 08 WTRBA (SOC)
Activity Title:	Cold Creek Chute Restoration

Activity Category:

NDR - Social Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

West Tennessee River Basin Authority

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

It is projected, based upon budget projections, that 1 water control structure will be rehabilitated. This data was collected by the WTRBA, who will continue to collect the data.

The average number of inaccessible days is being calculated by a state agency, it is projected, based upon similar projects by WTRBA, that there will be a 25% reduction in inaccessibility. WTRBA will collect the data.

Location Description:

Activity Progress Narrative:

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of water control structures	0	0/1



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	OV 09 Lauderdale (ECO)
Activity Title:	Mississippi River Corridor Outlook

Activity Category:

NDR - Economic Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Lauderdale County TN

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Lauderdale County TN	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

There are currently 0 tourism plans in the project area, there will be 1 plan as a result of our actions. The data was derived from the county government.

There are currently 0 visitors to the to be built senic overlook, there will be a 5% increase in visitors to the county after construction. The data was derived from estimates based upon road traffic projections.

Location Description:

Activity Progress Narrative:

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of tourism plans adopted	0	1/1



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Grantee Activity Number:	OV 09 Lauderdale (RES)
Activity Title:	Mississippi River Corridor Outlook

Activity Category:
NDR - Resilience Value

Project Number:
OV Project Tennessee

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

National Objective:
NA

Activity Status:
Under Way

Project Title:
NDR Outcome Values

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
Lauderdale County TN

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Lauderdale County TN	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

There are currently 0 low-impact/maintenance components in the to be constructed scenic overlook, there will be 12 upon completion. The data was derived from preliminary engineer assessments.

Location Description:

Activity Progress Narrative:

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of low-impact/maintenance	0	0/9



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	OV 09 Lauderdale (SOC)
Activity Title:	Mississippi River Corridor Outlook

Activity Category:

NDR - Social Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Lauderdale County TN

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Lauderdale County TN	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

There are currently 0 tourism plans in the project area, there will be 1 upon completion. The data was derived from conversations with the local county government.

There are currently 0 school trips to the yet to be constructed scenic overlook, there will be 40 upon completion. The data was derived from conversations with the local county government.

There are currently 0 special events at the yet to be constructed scenic overlook, there will be 6 upon completion. The data was derived from conversations with the local county government.

Location Description:

Activity Progress Narrative:



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of school field trips	0	0/5
# of special events held	0	0/6
# of tourism plans adopted	0	1/1

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	OV 10 UofM (ENV)
Activity Title:	Hazard Mapping, Assessment and Education

Activity Category:
NDR - Environmental Value

Project Number:
OV Project Tennessee

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

National Objective:
NA

Activity Status:
Under Way

Project Title:
NDR Outcome Values

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
University of Memphis

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
University of Memphis	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Location Description:

Currently 0% of the project area is evaluated/mapped with enhanced data, 100% will be evaluated/mapped after analysis. The data was derived from previous comparable projects and the University of Memphis will be collecting the data.

Activity Progress Narrative:

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% of project area	0	215/100



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	OV 10 UofM (RES)
Activity Title:	Hazard Mapping, Assessment and Education

Activity Category:

NDR - Resilience Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

University of Memphis

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
University of Memphis	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Currently 0 acres of the project area are evaluated/mapped with improved data, 300000 acres will be evaluated/mapped after analysis. The data was derived from previous comparable projects and the University of Memphis will be collecting the data. Currently 0% of the project area is evaluated/mapped with enhanced data, 100% will be evaluated/mapped after analysis. The data was derived from previous comparable projects and the University of Memphis will be collecting the data.

Location Description:

Activity Progress Narrative:



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of acres with improved	0	165/300000
% of project area	0	133/100

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



Grantee Activity Number:	OV 10 UofM (SOC)
Activity Title:	Hazard Mapping, Assessment and Education

Activity Category:

NDR - Social Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

University of Memphis

Overall	Jul 1 thru Sep 30, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
University of Memphis	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Currently 0 public meetings have been held, 8 will be held upon completion of the project. The data was derived from academic research and budget projections; the University of Memphis will be collecting the data.

Currently the yet to be built website has 0 hits, it will have 10,000 upon completion of the project. The data was derived from previous comparable projects and the University of Memphis will be collecting the data.

Currently the yet to be built website has 0 document downloads, it will have 100 upon completion of the project. The data was derived from previous comparable projects and the University of Memphis will be collecting the data.

The current SOVI score will be calculated during the initial stages of the project, a 3% increase is projected based upon academic research. The University of Memphis will be collecting the data.

Currently 0 recommendations have been implemented, 3 are projected to be implemented during the life of the project. The data is based upon interactions with local government and academic research; the University of Memphis will be collecting the data.

Currently 0 resilience planning documents have been utilized, 5 are expected to be so by the completion of the project. The data is based off of academic research and conversations with local governments; the data will be collected by the University of Memphis.

There are currently 0 data products being used in school curriculums, 3 are projected to be used upon completion of the project. The data is based off of academic and educational research; the University of Memphis will collect the data.



Location Description:

Activity Progress Narrative:

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Website visits	0	0/550
# of data products used in	0	0/3
# of public education meetings	1	7/3
# of resilience planning	0	90/5
# of resilience planning	0	1/3
# of website document	0	80/100
% Improved Social Vulnerability	0	0/3

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources